ABSTRACT OF THE DISCLOSURE

A system and method are described for constructing and/or designing/planning/programming a production and/or processing machine. The various construction phases are executed within the system by an iterative process, whereby the simulation data of a mechanical model of the machine are used for designing/planning/programming a controller and/or a drive. The effect of the controller on the performance of the mechanical model is checked again in a subsequent step. In this way, the entire system which includes the machine and the controller software as well as the drive is optimized step-by-step, resulting in an integrated design from the mechanical components to the software.